



CARBON FOOTPRINT OF PRODUCTS (CFP) TRAINING



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Course Title: Carbon Footprint of Products (CFP) Training

Course Validity: 2 Days

Validity: 3 Years

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with a detailed understanding of the Carbon Footprint of Products (CFP) based on ISO 14067. The course explains the principles, requirements and methods for quantifying greenhouse gas (GHG) emissions associated with a product throughout its life cycle. Participants will learn how to define boundaries, collect data, calculate emissions, evaluate results and prepare documentation for product carbon claims, eco-labeling and Environmental Product Declarations (EPD).

OBJECTIVE(S):

- Understand CFP concepts, principles and terminology.
- Learn ISO 14067 structure, requirements and calculation rules.
- Identify life cycle stages contributing to product GHG emissions.
- Define system boundaries, functional units and data quality requirements.
- Perform CFP calculations using emission factors and LCI data.
- Understand reporting requirements, verification needs and communication of results.
- Support the development of product carbon footprint studies and EPD submissions.

TARGET GROUP(S):

- Sustainability and ESG Teams
- Environmental & ISO 14001 Practitioners
- Engineers, Product Developers & R&D Personnel
- Quality, Safety & Environmental Managers
- ISO 14064 & LCA Teams
- Personnel involved in carbon reporting or EPD projects

ENTRY REQUIREMENT(S):

- Able to read, write and communicate verbally in Malay/English

TOPIC(S):

1. Introduction to Product Carbon Footprint (CFP)
2. ISO 14067 Overview and Requirements
3. Goal & Scope Definition for CFP Studies
4. Data Collection, LCI Modelling and Emission Factors
5. CFP Calculation Methods and Allocation Approaches
6. Reporting CFP Results and Interpretation
7. CFP Communication, Labelling and EPD Integration
8. Case Studies and CFP Calculation Exercises

LIST OF REFERENCE BOOK(S):

- ISO 14067: Carbon Footprint of Products
- ISO 14044: Life Cycle Assessment Guidelines
- GHG Protocol Product Standard
- Product Category Rules (PCRs) for EPD

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories
- Flip chart with accessories
- CFP calculation templates and datasets

METHODOLOGY(S):

- Lecture
- Group discussions
- Case studies
- Practical CFP calculations
- Scenario-based exercises

TRAINING SCHEDULE

Day 1

| Time | Activity / Topic |
|---------------------|---|
| 8:30 am – 9:00 am | Registration and Introduction |
| 9:00 am – 10:15 am | Topic 1: Introduction to Carbon Footprint of Products |
| 10:15 am – 10:30 am | Morning Tea Break |
| 10:30 am – 12:30 pm | Topic 2: ISO 14067 Requirements and Framework |
| 12:30 pm – 1:30 pm | Lunch Break |
| 1:30 pm – 3:30 pm | Topic 3: Goal and Scope Definition for CFP Studies |
| 3:30 pm – 3:45 pm | Afternoon Tea Break |
| 3:45 pm – 5:00 pm | Topic 4: Data Collection and LCI Modelling |

TRAINING SCHEDULE

Day 2

| Time | Activity / Topic |
|---------------------|--|
| 8:30 am – 9:00 am | Recap of Day 1 |
| 9:00 am – 10:15 am | Topic 5: CFP Calculation Methods and Allocation Approaches |
| 10:15 am – 10:30 am | Morning Tea Break |
| 10:30 am – 12:30 pm | Topic 6: Reporting, Interpretation and Data Quality Requirements |
| 12:30 pm – 1:30 pm | Lunch Break |
| 1:30 pm – 3:30 pm | Topic 7: Communication of CFP Results and EPD Integration |
| 3:30 pm – 3:45 pm | Afternoon Tea Break |
| 3:45 pm – 5:00 pm | Practical Exercise: Developing a Simple CFP Calculation |